API integration

Weather API integration by html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Weather app</title>

<link href="https://fonts.googleapis.com/css2?family=Indie+Flower&display=swap" rel="stylesheet">

<style media="screen">

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

<head>

<title>Wind Energy Prediction</title>

<style>

#page {

max-width: 80%;

margin: auto;

}

body {

background-image: url(https://c1.wallpaperflare.com/preview/623/531/630/596ca965a2e3f.jpg);

width: 100%;

height: 100%;

background-repeat: no-repeat;

background-attachment: fixed;

background-size: cover;

overflow: hidden;

}

table {

width: 10%;

border-collapse: collapse;

}

.card {

margin-right: auto;

margin-left: 15%;

width: 300px;

box-shadow: 0 15px 25px rgba(129, 124, 124, 0.2);

border-radius: 5px;

backdrop-filter: blur(14px);

background-color: rgba(255, 255, 255, 0.2);

padding: 15px;

text-align: center;

}

.head {

top:0px;

margin:0px;

left: 0px;

right: 0px;

position: fixed;

background: #86521a;

color: white;

overflow: hidden;

padding-bottom: 30px;

font-size: 2.25vw;

width: 100%;

padding-left:0px;

text-align: center;

padding-top:20px;

}

.second{

top:80px;

bottom:0px;

margin:0px;

left: 0px;

right: 0px;

position: fixed;

padding: 0px;

width: 100%;

font-family:Georgia, serif;

color:black;

font-size:20px;

}

.inside{

top:80px;

bottom:0px;

margin:0px;

left: 51%;

right: 0%;

position: fixed;

padding-left: 40px;

padding-top:8%;

padding-right:40px;

font-family:Georgia, serif;

color:#96f400;

font-size:20px;

text-align:justify;

}

.myButton{

border: none;

text-align: center;

cursor: pointer;

text-transform: uppercase;

outline: none;

overflow: hidden;

color: #fff;

font-weight: 700;

font-size: 12px;

background-color: #183a1d;

padding: 10px 15px;

margin: 0 auto;

box-shadow: 0 5px 15px rgba(0,0,0,0.20);

margin-left:17%;

}

input {

width:50%;

margin-bottom: 10px;

background: #e1eedd;

border: none;

outline: none;

padding: 10px;

font-size: 13px;

color: #6c493a;

text-shadow: white;

border: #6c493a;

border-radius: 4px;

box-shadow: white;

}

::placeholder {

color: black;

opacity: 1;

}

.left{

top:80px;

bottom:0px;

margin:0px;

left: 0%;

right: 45.5%;

position: fixed;

padding-left: 10%;

padding-top:5%;

padding-right:40px;

font-family:bold,Georgia, serif;

color:rgb(255 204 0);;

font-size:50px;

align:center;

}

select {

width:50%;

margin-bottom: 10px;

background: red;

border: none;

outline: none;

padding: 10px;

font-size: 13px;

color: #183a1d;

text-shadow: white;

border: #6c493a;

border-radius: 40px;

box-shadow: white;

}

input:focus { box-shadow: inset 0 -5px 45px rgba(100,100,100,0.4), 0 1px 1px rgba(255,255,255,0.2); }

table, th, td {

border: 1px solid rgb(86, 72, 128);

border-collapse: collapse;

color: #3f00ff;

}

@media screen and (max-width: 500px) {

.left,

.second,

.third {

width: 70%;

}

}

</style></head>

<body>

<div class="container-fluid">

<section class="main">

<section class="inputs">

<input type="text" placeholder="Enter any city..." id="cityinput">

<input type="submit" value="Submit" id="add">

<button placeholder="submit" id="add"></button>

</section>

<section class="display">

<div class="wrapper">

<h2 id="cityoutput"></h2>

<p id="description"></p>

<p id="temp"></p>

<p id="wind"></p>

</div>

</section>

</section>

</div>

<script>

var inputval = document.querySelector('#cityinput')

var btn = document.querySelector('#add');

var city = document.querySelector('#cityoutput')

var descrip = document.querySelector('#description')

var temp = document.querySelector('#temp')

var wind = document.querySelector('#wind')

apik = "3045dd712ffe6e702e3245525ac7fa38"

function convertion(val){

return (val - 273).toFixed(2)

}

btn.addEventListener('click', function(){

fetch('https://api.openweathermap.org/data/2.5/weather?q='+inputval.value+'&appid='+apik)

.then(res => res.json())

.then(data => {

var nameval = data['name']

var descrip = data['weather']['0']['description']

var tempature = data['main']['temp']

var wndspd = data['wind']['speed']

city.innerHTML=`Weather of <span>${nameval}<span>`

temp.innerHTML = `Temperature: <span>${ convertion(tempature)} C</span>`

description.innerHTML = `Sky Conditions: <span>${descrip}<span>`

wind.innerHTML = `Wind Speed: <span>${wndspd} km/h<span>`

})

.catch(err => alert('You entered Wrong city name'))

})

</script>

<a href="joyfig.html"><button type="button" class="myButton" >Want to predict the energy??</button></a>

</body>

</html>